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APPLICATION NO.	FI	LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/780,658 02/19/2004		James K. Cavers	01311.001005.1	2181	
26875	7590	03/23/2006		EXAMINER	
WOOD, HE		& EVANS, LLP	LAUTURE, JOSEPH J		
441 VINE ST			ART UNIT	PAPER NUMBER	
CINCINNAT	I, OH 4	5202	2819		

DATE MAILED: 03/23/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

· ·							
		Application No.	Applicant(s)				
		10/780,658	CAVERS ET AL.				
	Office Action Summary	Examiner	Art Unit				
		Joseph Lauture	2819				
	The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
WHIC - Exter after - If NO - Failu Any r	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DANSIONS of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication, of period for reply is specified above, the maximum statutory period we are to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim vill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	l. lely filed the mailing date of this communication. D (35 U.S.C. § 133).				
Status							
·	Responsive to communication(s) filed on 13 Fe						
•	This action is FINAL. 2b)⊠ This action is non-final.						
3)[_]	Since this application is in condition for allowance except for formal matters, prosecution as to the ments is						
	closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	3 O.G. 273.				
Dispositi	ion of Claims						
5)□ 6)⊠ 7)□	4) ☐ Claim(s) 36-38 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 36-38 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or election requirement.						
Applicati	on Papers						
9)□ '	The specification is objected to by the Examiner	r.					
	10)⊠ The drawing(s) filed on <u>19 February 2004</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner.						
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
11)	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority u	ınder 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 							
2) Notice (3) Inform	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) r No(s)/Mail Date	4) Interview Summary (Paper No(s)/Mail Da 5) Notice of Informal Pa 6) Other:					

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DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 36-38 are rejected under 35 U.S.C 102(b) as being anticipated by Cavers (US 5,489,875).

Regarding claim 36, Cavers teaches a linearizer (see fig. 4) comprising an adaptation controller (CT3, CT4) with M monitor (input) signals (106, 121) thereto and M control settings outputs therefrom (102, 103 107, 108, 122, 123, 127, 128 and see col. 8 lines 2-9), wherein the adaptation controller first determines M uncorrelated adjustment settings including delay, phase and gain dependent on the M monitor (input) signals and then adjusting the M control setting using the M uncorrelated adjustment settings including delay, gain and phase parameters to reduce distortion and enhance signal intelligibility. Furthermore, according to (see col. 7 lines 60-64), complex gain adjuster can be adjusted independently of each other. Uncorrelated adjustment setting reads on determining

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deficiencies with an input signal and independently adjusting the input signals as such to correct phase, delay and gain distortion.

Regarding claim 37. Cavers teaches a linearizer amplifier comprising a signal cancellation circuit in (see col. 7 lines 35-36, col. 8 line 21), a distortion cancellation circuit in (see col. 7 line 37, col. 8 line 22); wherein the signal and distortion cancellation circuits comprises an adaptation controller (CT3, CT4) with M monitor (input) signals (106, 121) thereto and M control settings outputs therefrom (102, 103 107, 108, 122, 123, 127, 128 and see col. 8 lines 2-9), wherein the adaptation controller first determines M uncorrelated adjustment settings including delay, phase and gain dependent on the M monitor (input) signals and then adjusting the M control setting using the M uncorrelated adjustment settings including delay, gain and phase parameters to reduce distortion and enhance signal intelligibility. Furthermore, according to (see col. 7 lines 60-64), complex gain adjuster can be adjusted independently of each other. Uncorrelated adjustment setting reads on determining deficiencies with an input signal and independently adjusting the input signals as such to correct phase, delay and gain distortion.

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Regarding claim 38, Cavers teaches a linearizer in (see fig. 4) comprising an adaptation controller (CT3, CT4) with M monitor (input) signals (106, 121) thereto and M control settings outputs therefrom (102, 103 107, 108, 122, 123, 127, 128 and see col. 8 lines 2-9), wherein the adaptation controller first determines M uncorrelated adjustment settings including delay, phase and gain dependent on the M monitor (input) signals and then adjusting the M control setting using the M uncorrelated adjustment settings including delay, gain and phase parameters to reduce distortion and enhance signal intelligibility. Furthermore, according to (see col. 7 lines 60-64), complex gain adjuster can be adjusted independently of each other. Uncorrelated adjustment setting reads on determining deficiencies with an input signal and independently adjusting the input signals as such to correct phase, delay and gain distortion.

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CONTACT INFORMATION

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Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Joseph Lauture, whose telephone number is

(571) 272-1805. The examiner can normally be reached Monday to Friday

between 9:30 am and 6:00 PM

If attempts to reach the examiner by telephone are unsuccessful, the

examiner's supervisor, Rexford Barnie can be reached at (571) 272-7492. The

fax number for the organization to which this application is assigned is (571) 273-

8300.

Information regarding the status of an application may be obtained from

the Patent Application Information Retrieval (PAIR) system. Status information

for published applications may be obtained from either Private PAIR or Public

PAIR. Status information for unpublished applications is available through

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direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll

free).

Joseph Lauture Art Unit: 2819

Date: 03/15/2006

SUPERVISORY PRIMARYEYAMINER